Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	08/23/2017 10:35 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123861	-1	1.61	123721	1.62
Blue	F	SSC	125000	122401	-3	2.84	122787	2.64
Blue	E	FITC	23795	22866	-4	2.64	1015	10.59
Blue	D	PE	29673	28994	-3	2.12	1041	10.13
Blue	B	PerCP-Cy5-5	48943	47881	-3	3.50	1375	17.34
Blue	A	PE-Cy7	44112	43883	-1	5.23	676	36.70
Red	C	APC	54273	53371	-2	2.68	3082	9.49
Red	A	APC-Cy7	54945	53780	-3	2.79	1114	11.27
Violet	B	V450	15756	14892	-6	3.88	714	8.94
Violet	A	V500	62569	61272	-3	3.59	2711	6.32

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19597	3.56	613	-1	N/A	N/A	Pass
Blue	F	SSC	60629	1.71	545	-1	N/A	N/A	Pass
Blue	E	FITC	116	38.75	550	0	0.0195	125	Pass
Blue	D	PE	228	29.99	548	2	0.1504	246	Pass
Blue	B	PerCP-Cy5-5	216	47.01	639	0	0.0097	137	Pass
Blue	A	PE-Cy7	72	124.00	696	-3	0.0111	14	Pass
Red	C	APC	362	27.56	599	-1	0.0199	52	Pass
Red	A	APC-Cy7	123	41.96	577	-7	0.0056	1927	Pass
Violet	B	V450	86	41.74	475	3	0.0459	1825	Pass
Violet	A	V500	197	22.81	504	5	0.0144	440	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	08/23/2017 10:35 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.84	-31.31	0.84
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	16.83	13.27 - 19.91	N/A	N/A	31.34	31.79	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10569

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments